Claims

What is claimed is:

1. A sounding device for showing its location on a fish sonar detector means comprising:

a). a wave receiving means sensitive to frequencies of said sonar detector means

b). a wave producing means capable of producing waves of at least one of said frequencies of said sonar detector means

c). a control means connecting said wave producing means and said wave receiving means and capable of turning on and off said wave producing means and said wave receiving means independently or simultaneously; and

4). a power means to provide the electricity of said wave-receiving means, said wave-producing means and said controlled means

2. A sounding device as claimed in claim 1 wherein said control means capable of turning on said wave producing means and turning off said wave receiving means simultaneously when a sonar pulse is detected by said wave receiving means and capable of controlling said wave producing means to generate sonar wave echo for a period of time at a suitable power lever to clearly show its location on said fish detector before turning off said wave producing means and turning on said wave receiving means; thereby reset said sounding device to its original state before the next sonar pulse arrives

3. A sounding device as claimed in claim 1 wherein said wave producing means capable of generating sonar echo for a variable period of time and at different power level that can be controlled by said control means or by said fish sonar detector

4. A sounding device as claimed in claim 1 wherein said control means capable of controlling said wave receiving means to respond to one of the frequencies of the said sonar detector means and to generate one of the different frequencies of said sonar detector means simultaneously; thereby said sounding device is useful for dual and multiple frequencies fish detector

5. A sounding device as claimed in claim 1 further comprising at least one watertight housing means to accommodate said wave receiving means, said wave producing means, said control means and said power means

6. A sounding device as claimed in claim 1 wherein said sounding device has a volume of equal or less than 125 cubic centimeter and preferred volume of said sounding device is less than 10 cubic centimeter; thereby said sounding device can be conveniently carried and placed by a fishing bait

7. A sounding device as claimed in claim 1 wherein said power means including turbines means which turns and produces electricity when said sounding device moves under the water

8. A sounding device as claimed in claim 1 wherein said control means capable of

distinguishing said sonar waves from the background waves by the signal/noise (S/N) ratio and the cycle of said sonar waves before turning on said sound producing means of said sounding device; thereby greatly increases the accuracy of said sounding device

9. A sounding device as claimed in claim 1 wherein said control means capable of detecting said sonar waves and waiting for a few cycles of said sonar waves before activating said sound producing means of said sounding device; thereby the duration and the intensity of said sonar waves can be simulated accurately by said sounding device

10. A sounding device as claimed in claim 1 wherein said control means capable of receiving commands from a remote controller or said sonar detector to execute specific functions

11. A sounding device as claimed in claim 1 wherein said wave-producing means capable of producing sonar wave of specific pattern; thereby more than one of said sounding devices could be used at the same time and be distinguished by conventional fish sonar detectors or special fish sonar detectors

12. A sounding device as claimed in claim 1 wherein said wave producing means capable of producing sonar wave which is different in pattern, strength or duration from sonar wave reflected from fish; thereby fisherman can easily distinguish the bait from fish